

S u m m a r y

Fire Protection gate and corresponding fire protection inset

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At a fire protection gate with an encompassing structure and bilateral steel plate shells,
between which a fire protection inset is provided, consisting of at least an insulating element
in the form of a plate of mineral fibers, soluble in a physical milieu and reinforced with a
binding agent, the composition of the mineral fibers of said insulating element features an
10 alkali/earth alkali-mass relation of < 1 and the fiber structure of said insulating element is
determined by an average geometrical fiber diameter of $\leq 4 \mu\text{m}$, a gross density in the range
of 60 to 130 kg/m³ and a portion of the binding agent, relative to the fiber mass, in the range
of 1 to 3 weight %.